

CLAIMS

What is claimed as being new and desired to be protected by LETTERS PATENT of the United States is as follows:

1. (Currently Amended) A mixing and application system for applying a luminescent coating to ~~a nylon webbing~~ nylon straps comprising, in combination:

a container in a cylindrical configuration with an open top and a closed bottom and with a quantity of coating liquid including one kilogram of a luminescent pigment and one U.S. gallon of a paint base;

a circular lid removably positionable on the open top of the container, the lid having rod extending downwardly from the center of the lid with an impeller at the lower end of the rod in proximity to the bottom of the container, the lid also having a motor with a line to a source of power and a switch for activating the motor to rotate the rod and the impeller to keep the pigment in suspension in the paint base, the lid also having a linear inlet slot and a linear outlet slot, the inlet and outlet slots being parallel with each other on opposite sides of the rod;

a feeding assembly including a supply roll located above the lid and to the side of the container adjacent to the inlet slot, the feeding assembly also including a take up roll located below the lid and to the side of the container adjacent to the outlet

slot, the feeding assembly also including a plurality of idler rolls parallel with each other and the supply and take up rolls, one of the idler rolls being located beneath the supply roll laterally off set from the container with the other idler rolls being located within the container laterally spaced from each other above the impellers, the take up roll adapted to be coupled to a source of power to move a plurality of the nylon straps from the supply roll, across the take up rolls and through the container and liquid therein and to the take up roll; and

a drying assembly for nylon straps moving between the outlet slot and the take up roll, the drying assembly including infra red lamps above the ~~webbings~~ nylon straps and infra red lamps beneath the ~~webbings~~ nylon straps for drying the pigment and paint base onto the ~~webbings~~ nylon straps prior to being received on the take up roll, the drying assembly also including a V-shaped bend with a rubber surface on the side of the outlet slot proximate the take up roll and a V-shaped point on the side of the outlet slot remote from the take up roll, the V-shaped bend and the V-shaped point constituting a squeegee to remove excess liquid from the ~~webbings~~ nylon straps prior to movement of the ~~webbings~~ nylon straps between the lamps.

2. (Currently Amended) A mixing and application system comprising:

a container with a quantity of coating liquid including a luminescent pigment and a paint base;

an impeller in proximity to the bottom of the container to keep the pigment in suspension in the paint base, the container also having a linear inlet slot and a linear outlet slot;

a feeding assembly including a supply roll and a take up roll and a plurality of idler rolls to move a plurality of nylon straps from the supply roll, across the take up rolls and through the container and liquid therein and to the take up roll; and

a drying assembly for nylon straps moving between the outlet slot and the take up roll, the drying assembly also including infra red lamps above the nylon straps and infra red lamps beneath the nylons straps for drying the pigment and paint base onto the nylon straps prior to being received on the take up roll, the drying assembly also including a V-shaped bend with a rubber surface on the side of the outlet slot proximate the take up roll and a V-shaped point on the side of the outlet slot remote from the take up roll, the V-shaped bend and the V-shaped point constituting a squeegee to remove excess liquid from the nylon straps prior to movement of the nylon straps between the lamps.

3. (Original) The system as set forth in claim 2 wherein the quantity of coating liquid includes one kilogram of a luminescent pigment and one U.S. gallon of a paint base.

4. (Original) The system as set forth in claim 2 wherein the container includes a removable lid with the slots being formed in the lid.

5. (Original) The system as set forth in claim 4 wherein the container includes a rod with a lower end supporting the impellers and an upper end supported by the lid.

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)